

What is claimed is:

1. A dual centrifugal fan structure, comprising:

a first centrifugal fan;

a second centrifugal fan; and

5 a hollow housing divided into a first chamber and a second chamber, wherein the first and second centrifugal fans are disposed within the first and second chamber, respectively, and the first and second chamber comprise a first air inlet and a second air inlet and an air outlet of the housing.

2. The structure as claimed in Claim 1, wherein each of the first and second
10 centrifugal fans includes a set of blades and a motor driving the blades, such that the blades of the first and second centrifugal fans rotate towards opposite directions..

3. The structure as claimed in Claim 1, wherein the housing comprises a rim protruding outwardly and horizontally from a bottom periphery of the housing.

4. The structure as claimed in Claim 1, wherein each of the first and second
15 chambers includes a support arm for mounting the first and second centrifugal fans therein, respectively.

5. The structure as claimed in Claim 1, wherein the first and second air inlets are formed at a top of the housing.

6. The structure as claimed in Claim 1, wherein the first and second air inlets
20 are formed at two lateral sides of the housing.

7. The structure as claimed in Claim 1, wherein the first and second air inlets are formed at a front side and a rear side of the housing, respectively.

8. A heat dissipation device having a dual centrifugal fan structure, comprising a heat sink, a wind mask mounted on the heat sink, and a first centrifugal fan and a
25 second centrifugal fan disposed on the wind mask.

9. The device as claimed in Claim 8, wherein the heat sink includes an aluminum extrusion heat sink.

10. The device as claimed in Claim 8, wherein the heat sink includes a thermal conductive substrate, a plurality of fins extending from the substrate, and a plurality

of channels formed between the fins.

11. The device as claimed in Claim 8, wherein the thermal conductive substrate includes a central spike formed of two curves descending from a peak of the central spike towards two elongate sides of the thermal conductive substrate.

5 12. The device as claimed in Claim 8, wherein the wind mask includes an n-shape frame.

13. The device as claimed in Claim 8, further comprising a hollow housing divided into a first chamber and a second chamber for mounting the first and second centrifugal fans therein, respectively, wherein the first and second chambers comprise
10 a first air inlet and a second air inlet, respectively, and the housing further comprises an air outlet.

14. The device as claimed in Claim 13, wherein the housing comprises a protruding rim extending from a bottom periphery thereof.

15 15. The device as claimed in Claim 13, wherein the housing further comprises a pair of support arms for supporting the first and second centrifugal fans within the first and second chambers, respectively.

16. The device as claimed in Claim 13, wherein the first and second air inlets are formed at a top of the housing.

20 17. The device as claimed in Claim 13, wherein the first and second air inlets are formed at a bottom of the housing.

18. The device as claimed in Claim 13, wherein the first and second air inlets are formed at a top of the housing.

25 19. The device as claimed in Claim 8, further comprising a first housing and a second housing for installing the first and second centrifugal fans therein, respectively.

20. The device as claimed in Claim 8, wherein the first and second centrifugal fans each comprises a set of blades and a motor for driving the blades to rotate along opposite directions.